

CITY OF NEWPORT NEWS

OFFICE OF THE CITY MANAGER

December 7, 2016

TO: The Honorable City Council
FROM: City Manager
SUBJECT: FY 2018 - FY 2022 Capital Improvements Plan (CIP)

A resolution has been submitted for City Council approval of the FY 2018 - FY 2022 Capital Improvements Plan (CIP). By ordinance, the City Manager is required to provide an updated Capital Improvements Plan to City Council no later than November 1st of each year. This was done at your October 25th Work Session with the distribution of the City Manager Recommended Plan for FY 2018 - FY 2022, along with the presentation of the Plan. Time for further City Council discussion and inquiry of the Recommended CIP was provided during the November 22nd Work Session.

The proposed FY 2018 - FY 2022 CIP will allow us to continue to satisfy the four Capital Financing and Debt Management Policies adopted in January 2007:

- i. Our debt burden (the ratio of outstanding debt to assessed value) will remain below 3%
- ii. General Fund Debt Service will not exceed 9.5% of combined City and School Revenue
- iii. Cash capital funding will exceed 20% of the Plan
- iv. Projected debt retirement rates will exceed the adopted goals of 30% in five years and 60% in ten years.

As important as its adherence to our adopted financial policies is the fact that the proposed plan supports the strategic initiatives of the City and provides funding for those capital projects identified as most critical.

Attached to this memorandum is a summary of the five-year, \$577.8 million financial plan along with a list of projects by category. Total

General Fund supported spending of \$416.7 million is funded from General Obligation Bonds of \$157.6 million, Cash Capital of \$45.2 million, and Grant /Other Funding of \$213.9 million.

Total capital spending for User-Fee Funds is projected at \$161.1 million, consisting of Waterworks projects totaling \$82.2 million, Sewer Rehabilitation projects totaling \$27.3 million, and Stormwater Drainage projects totaling \$51.6 million.

The proposed CIP reflects substantial investment in our transportation infrastructure and includes the construction of Atkinson and Independence Boulevards, replacement of the Route 105 bridge over the reservoir, major upgrade to Campbell Road, extension of streetscape improvements along lower Jefferson Avenue, and the reconstruction and resurfacing of arterial streets. Funding is identified for streetlight, roadway, intersection, pedestrian, bridge, and culvert improvements throughout the City. Construction of the Newport News Transportation Center and phased implementation of the proposed Bus Rapid Transit system are critical initiatives that will expand transportation options and improve mobility throughout the City and region.

Focus on development and redevelopment efforts in the Southeast Community and the Upper Warwick Boulevard/Denbigh area will continue with activities to include the acquisition of strategically located properties, streetscape and landscape enhancements to improve the visual aesthetic along major corridors in each area, and other targeted redevelopment and rehabilitation efforts. The capital plan provides funding to support development and redevelopment efforts in the Downtown area, to support the continued evolution of City Center into a vibrant entertainment district, and includes funding required for public infrastructure associated with the expansion of Jefferson Lab.

The Recommended Plan reflects the additional \$6.9 million of funding committed to the School Division at the October 11 Work Session. At \$49.3 million of Cash Capital and General Obligation funding, the School Division represents the largest General Fund category (exclusive of Grant funding) in the proposed plan. Funding identified will allow for the purchase of new buses and the replacement of aging HVAC units, learning cottages, roofs and electrical service, site repairs, and the design of a new Huntington Middle School.

The plan maintains programs to renovate and repair the City's public facilities, including buildings, equipment, and parks, and will allow staff to continue to monitor and provide appropriate response to safety and environmental issues that may arise at City buildings and properties. Funding is identified to enhance security in public buildings and includes the installation of a new Master Control System at the Jail Annex and expansion of the replacement program for security cameras located in and around City facilities. Public building projects identified specifically include the design and construction of a new Grissom Library, the aquatic facility at the Denbigh Community Center, and a new Fire Station 11. In the downtown municipal complex, fuel tanks and related facilities located at City Hall will be replaced and kitchen facility improvements will be completed at the City Jail. Improvements are also recommended for Human Services operations at Rouse Tower and the South Morrison Family Education Center to improve client confidentiality and work space efficiency and privacy. Preliminary engineering is programmed to evaluate the replacement of aging municipal facilities in the northern part of the City (including Fire Station 9 and the North Police Precinct).

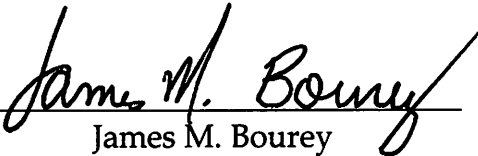
Construction of the Huntington Park Tennis Center Stadium Court, replacement of the ranger station and restroom facility located in Deer Park, and ramp and dredging improvements at Peterson's Yacht Basin, Leeward Marina and Huntington Park Boat Ramp remain in the plan. Completion of interior display and exhibit space at Lee Hall Depot and exploratory archaeological investigation at the Warwicktowne site are also identified. Funding is recommended to test, replace, and upgrade athletic lighting equipment and light poles at athletic fields. The replacement of the irrigation system at the Cardinal Course replaces the golf course renovation project identified in prior capital plans and leverages recent investment made to improve substandard cart paths.

Funding is proposed to replace and improve mission critical equipment throughout the City. During the next five years, the fire department will continue its vehicle replacement program and purchase new breathing apparatus for our firefighters. Focus has also been placed on the need for improvement to data centers located at City Hall and Operations Center to ensure the uninterrupted operability of our computers, data management/storage, and network systems and to continue the migration

from our legacy phone system to the expanded feature set offered by Voice over IP technology.

Significant investment is anticipated in our waterworks, sanitary sewer, and stormwater systems. A new automated meter reading/advanced metering system is a major investment planned for the water system and will increase meter reading efficiency and meter system functionality. The Sanitary Sewer Consent Order (Virginia Department of Environmental Quality) and Municipal Separate Storm Sewer System Permit (Environmental Protection Agency) are expected to have continued impact on the sewer rehabilitation and stormwater categories, respectively.

I am confident that the CIP reflects the City's most critical capital projects and maintains debt at a fiscally responsible level. I recommend approval of the proposed FY 2018 - FY 2022 Capital Improvements Plan.


James M. Bourey

JMB:LJC:cp

Attachment

Recommended Capital Improvements Plan FY2018 - FY2022

GENERAL FUND - BY CATEGORY	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-YEAR TOTAL
COMMUNITY DEVELOPMENT						
Cash Capital - Operating Budget	\$420,000	\$520,000	\$430,000	\$530,000	\$540,000	\$2,440,000
Gen Obligation Bond (GOB)	\$6,200,000	\$7,150,000	\$6,000,000	\$6,200,000	\$6,200,000	\$31,750,000
Grant Funding	\$800,000	\$3,562,500	\$2,500,000	\$1,500,000	\$1,500,000	\$9,862,500
Total Community Development	\$7,420,000	\$11,232,500	\$8,930,000	\$8,230,000	\$8,240,000	\$44,052,500
ENVIRONMENTAL						
Cash Capital - Operating Budget	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$1,125,000
Total Environmental	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$1,125,000
TRANSIT						
Cash Capital - Operating Budget	\$225,000	\$78,000	\$80,000	\$82,000	\$85,000	\$550,000
Grant Funding	\$11,713,768	\$34,584,000	\$28,411,000	\$29,264,000	\$30,141,215	\$134,113,983
Total Transit	\$11,938,768	\$34,662,000	\$28,491,000	\$29,346,000	\$30,226,215	\$134,663,983
EQUIPMENT						
Cash Capital - Operating Budget	\$2,328,000	\$2,560,000	\$1,450,000	\$1,550,000	\$1,750,000	\$9,638,000
Gen Obligation Bond (GOB)	\$650,000	\$920,000	\$0	\$0	\$0	\$1,570,000
Grant Funding	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total Equipment	\$3,228,000	\$3,480,000	\$1,450,000	\$1,550,000	\$1,750,000	\$11,458,000
PARKS AND RECREATION						
Cash Capital - Operating Budget	\$420,000	\$591,000	\$300,000	\$500,000	\$500,000	\$2,311,000
Gen Obligation Bond (GOB)	\$1,666,000	\$2,900,000	\$1,330,000	\$3,122,000	\$3,226,000	\$12,244,000
Grant Funding	\$150,000	\$150,000	\$200,000	\$200,000	\$200,000	\$900,000
Total Parks and Recreation	\$2,236,000	\$3,641,000	\$1,830,000	\$3,822,000	\$3,926,000	\$15,455,000
PUBLIC BUILDINGS						
Cash Capital - Operating Budget	\$1,381,000	\$955,000	\$2,104,000	\$1,330,000	\$1,189,000	\$6,959,000
Gen Obligation Bond (GOB)	\$1,786,850	\$3,707,070	\$16,337,000	\$11,155,000	\$3,189,000	\$36,174,920
Total Public Buildings	\$3,167,850	\$4,662,070	\$18,441,000	\$12,485,000	\$4,378,000	\$43,133,920
SCHOOLS						
Cash Capital - Operating Budget	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,100,000	\$10,100,000
Gen Obligation Bond (GOB)	\$8,023,085	\$8,685,394	\$7,628,146	\$7,750,033	\$7,116,997	\$39,203,655
Total Schools	\$10,023,085	\$10,685,394	\$9,628,146	\$9,750,033	\$9,216,997	\$49,303,655
STREETS AND BRIDGES						
Cash Capital - Operating Budget	\$2,200,000	\$2,075,000	\$2,575,000	\$2,675,000	\$2,575,000	\$12,100,000
Gen Obligation Bond (GOB)	\$10,221,020	\$9,361,110	\$4,160,560	\$7,044,900	\$5,879,835	\$36,667,425
Grant Funding	\$23,653,448	\$17,924,069	\$5,600,000	\$7,937,500	\$6,162,500	\$61,277,517
Other	\$0	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$7,500,000
Total Streets and Bridges	\$36,074,468	\$31,860,179	\$14,835,560	\$20,157,400	\$14,617,335	\$117,544,942

GENERAL FUND - BY FUNDING SOURCE	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-YEAR TOTAL
Total Cash Capital - Operating Budget	\$9,199,000	\$9,004,000	\$9,164,000	\$8,892,000	\$8,964,000	\$45,223,000
Total Gen Obligation Bond (GOB)	\$28,546,955	\$32,723,574	\$35,455,706	\$35,271,933	\$25,611,832	\$157,610,000
TOTAL GF CASH AND GO BONDS	\$37,745,955	\$41,727,574	\$44,619,706	\$44,163,933	\$34,575,832	\$202,833,000
Cash Capital Percentage	24.4%	21.6%	20.5%	20.1%	25.9%	22.3%
Total Grant Funding	\$36,567,216	\$56,220,569	\$36,711,000	\$38,901,500	\$38,003,715	\$206,404,000
Total Other	\$0	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$7,500,000
TOTAL GF - ALL FUNDING SOURCES	\$74,313,171	\$100,448,143	\$83,830,706	\$85,565,433	\$72,579,547	\$416,737,000

Recommended Capital Improvements Plan FY2018 - FY2022

SELF-SUPPORTING FUNDS	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-YEAR TOTAL
SEWER REHABILITATIONS						
Gen Obligation Bond (GOB)	\$5,150,000	\$5,304,000	\$5,464,000	\$5,628,000	\$5,797,000	\$27,343,000
Total Sewer Rehabilitations	\$5,150,000	\$5,304,000	\$5,464,000	\$5,628,000	\$5,797,000	\$27,343,000
STORMWATER DRAINAGE						
Cash Capital - Operating Budget	\$3,591,500	\$3,609,500	\$3,054,000	\$3,796,000	\$3,173,250	\$17,224,250
Gen Obligation Bond (GOB)	\$7,132,880	\$7,362,600	\$5,168,000	\$4,158,000	\$3,327,000	\$27,148,480
Grant Funding	\$1,910,380	\$2,341,890	\$0	\$1,456,000	\$234,000	\$5,942,270
Other	\$0	\$0	\$0	\$1,251,000	\$0	\$1,251,000
Total Stormwater Drainage	\$12,634,760	\$13,313,990	\$8,222,000	\$10,661,000	\$6,734,250	\$51,566,000
WATERWORKS						
Cash Capital - Operating Budget	\$8,340,000	\$7,280,000	\$7,780,000	\$6,880,000	\$5,780,000	\$36,060,000
Revenue Bonds	\$38,500,000	\$7,600,000	\$0	\$0	\$0	\$46,100,000
Total Waterworks	\$46,840,000	\$14,880,000	\$7,780,000	\$6,880,000	\$5,780,000	\$82,160,000

TOTAL	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-YEAR TOTAL
General Fund	\$74,313,171	\$100,448,143	\$83,830,706	\$85,565,433	\$72,579,547	\$416,737,000
Self-Supporting Fund	\$64,624,760	\$33,497,990	\$21,466,000	\$23,169,000	\$18,311,250	\$161,069,000
TOTAL - ALL FUNDS	\$138,937,931	\$133,946,133	\$105,296,706	\$108,734,433	\$90,890,797	\$577,806,000

COMMUNITY DEVELOPMENT

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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* New Project

CASH CAPITAL - OPERATING BUDGET						
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Economic Development Projects	\$150,000	\$250,000	\$150,000	\$250,000	\$250,000	\$1,050,000
Southeast Community Redevelopment	\$270,000	\$270,000	\$280,000	\$280,000	\$290,000	\$1,390,000
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$420,000	\$520,000	\$430,000	\$530,000	\$540,000	\$2,440,000

GEN OBLIGATION BOND (GOB)						
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Denbigh Area/Warwick Boulevard Development Initiatives and Streetscape Improvements	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
Downtown Initiatives	\$700,000	\$1,000,000	\$1,000,000	\$1,500,000	\$1,500,000	\$5,700,000
Economic Development Projects	\$750,000	\$750,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,500,000
Southeast Community Redevelopment	\$1,500,000	\$1,500,000	\$1,500,000	\$2,200,000	\$2,200,000	\$8,900,000
Tech Center at Oyster Point / Jefferson Lab Research	\$2,250,000	\$2,900,000	\$2,000,000	\$1,000,000	\$1,000,000	\$9,150,000
*City Center at Oyster Point Projects	\$500,000	\$500,000	\$0	\$0	\$0	\$1,000,000
TOTAL GEN OBLIGATION BOND (GOB):	\$6,200,000	\$7,150,000	\$6,000,000	\$6,200,000	\$6,200,000	\$31,750,000

GRANT FUNDING						
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Southeast Community Redevelopment	\$200,000	\$0	\$500,000	\$1,000,000	\$1,000,000	\$2,700,000
Tech Center at Oyster Point / Jefferson Lab Research	\$0	\$2,400,000	\$2,000,000	\$500,000	\$500,000	\$5,400,000
*Maritime Economic Development Projects	\$600,000	\$1,162,500	\$0	\$0	\$0	\$1,762,500
TOTAL GRANT FUNDING:	\$800,000	\$3,562,500	\$2,500,000	\$1,500,000	\$1,500,000	\$9,862,500

COMMUNITY DEVELOPMENT TOTAL:	\$7,420,000	\$11,232,500	\$8,930,000	\$8,230,000	\$8,240,000	\$44,052,500
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ENVIRONMENTAL

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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** New Project*

CASH CAPITAL - OPERATING BUDGET						
Emergency Response / Environmental Remediation	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
HVAC System Environmental Assessment/Sustainability Projects	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$1,125,000
ENVIRONMENTAL TOTAL:	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$1,125,000

TRANSIT

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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** New Project*

CASH CAPITAL - OPERATING BUDGET						
One ACCESSIBLE City - HRT Bus Stop ADA Improvement Program	\$75,000	\$78,000	\$80,000	\$82,000	\$85,000	\$400,000
*Bus Rapid Transit - Fixed Guideway Initial Phase (10 Year Project)	\$150,000	\$0	\$0	\$0	\$0	\$150,000
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$225,000	\$78,000	\$80,000	\$82,000	\$85,000	\$550,000

GRANT FUNDING						
Newport News Transportation Center	\$11,563,768	\$7,000,000	\$0	\$0	\$0	\$18,563,768
*Bus Rapid Transit - Fixed Guideway Initial Phase (10 Year Project)	\$150,000	\$27,584,000	\$28,411,000	\$29,264,000	\$30,141,215	\$115,550,215
TOTAL GRANT FUNDING:	\$11,713,768	\$34,584,000	\$28,411,000	\$29,264,000	\$30,141,215	\$134,113,983

TRANSIT TOTAL:	\$11,938,768	\$34,662,000	\$28,491,000	\$29,346,000	\$30,226,215	\$134,663,983
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EQUIPMENT

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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* New Project

CASH CAPITAL - OPERATING BUDGET						
Fire Apparatus Capital Purchases	\$1,828,000	\$910,000	\$300,000	\$800,000	\$1,500,000	\$5,338,000
Self-Contained Breathing Apparatus	\$0	\$1,000,000	\$500,000	\$0	\$0	\$1,500,000
Vehicle Tablet Replacement	\$200,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,200,000
Voice over IP (Phone System Upgrade)	\$300,000	\$400,000	\$400,000	\$500,000	\$0	\$1,600,000
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$2,328,000	\$2,560,000	\$1,450,000	\$1,550,000	\$1,750,000	\$9,638,000

GEN OBLIGATION BOND (GOB)						
City Hall and Public Works Data Center Environmental Renovation	\$650,000	\$920,000	\$0	\$0	\$0	\$1,570,000
TOTAL GEN OBLIGATION BOND (GOB):	\$650,000	\$920,000	\$0	\$0	\$0	\$1,570,000

GRANT FUNDING						
Fire Department Bomb Squad - Bomb Robot Replacement	\$250,000	\$0	\$0	\$0	\$0	\$250,000
TOTAL GRANT FUNDING:	\$250,000	\$0	\$0	\$0	\$0	\$250,000

EQUIPMENT TOTAL:	\$3,228,000	\$3,480,000	\$1,450,000	\$1,550,000	\$1,750,000	\$11,458,000
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PARKS AND RECREATION

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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* New Project

CASH CAPITAL - OPERATING BUDGET						
Historic Preservation	\$120,000	\$125,000	\$150,000	\$150,000	\$150,000	\$695,000
Huntington Park Tennis Center Stadium Court	\$0	\$216,000	\$0	\$0	\$0	\$216,000
Lee Hall Depot - Interior Restoration	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Public Landscaping	\$125,000	\$150,000	\$150,000	\$350,000	\$350,000	\$1,125,000
Warwicktowne Archaeological Study	\$100,000	\$100,000	\$0	\$0	\$0	\$200,000
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$420,000	\$591,000	\$300,000	\$500,000	\$500,000	\$2,311,000

GEN OBLIGATION BOND (GOB)						
Boat Ramp & Marina Dredging	\$621,000	\$0	\$0	\$17,000	\$1,096,000	\$1,734,000
Deer Park Ranger Station/Restroom Replacement	\$0	\$0	\$0	\$985,000	\$0	\$985,000
Park Facilities	\$400,000	\$400,000	\$420,000	\$600,000	\$625,000	\$2,445,000
Park Roadway Paving and Improvements	\$142,000	\$294,000	\$100,000	\$100,000	\$120,000	\$756,000
Recreation Facilities	\$350,000	\$350,000	\$385,000	\$385,000	\$385,000	\$1,855,000
Stoney Run Greenway	\$0	\$0	\$0	\$0	\$400,000	\$400,000
Stoney Run Park	\$153,000	\$906,000	\$425,000	\$1,035,000	\$400,000	\$2,919,000
*Athletic Field Lighting	\$0	\$0	\$0	\$0	\$200,000	\$200,000
*Golf Course Irrigation System Replacement	\$0	\$950,000	\$0	\$0	\$0	\$950,000
TOTAL GEN OBLIGATION BOND (GOB):	\$1,666,000	\$2,900,000	\$1,330,000	\$3,122,000	\$3,226,000	\$12,244,000

GRANT FUNDING						
Historic Preservation	\$150,000	\$150,000	\$200,000	\$200,000	\$200,000	\$900,000
TOTAL GRANT FUNDING:	\$150,000	\$150,000	\$200,000	\$200,000	\$200,000	\$900,000

PARKS AND RECREATION TOTAL:	\$2,236,000	\$3,641,000	\$1,830,000	\$3,822,000	\$3,926,000	\$15,455,000
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PUBLIC BUILDINGS

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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* New Project

CASH CAPITAL - OPERATING BUDGET						
City Hall Renovations	\$541,000	\$0	\$574,000	\$0	\$609,000	\$1,724,000
Hilton Fire Station Renovation	\$125,000	\$125,000	\$0	\$0	\$0	\$250,000
Library System Renovation, Remodeling, Upgrading	\$400,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,600,000
Major Renovations and Repairs	\$0	\$0	\$0	\$750,000	\$0	\$750,000
Newport News Sheriff's Office Kitchen Renovation	\$0	\$0	\$950,000	\$0	\$0	\$950,000
Parking Lot and Facility Paving	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Security Video System Upgrade and Maintenance	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
*General District Courts Office Renovation	\$35,000	\$0	\$0	\$0	\$0	\$35,000
*North District Facility Preliminary Engineering	\$0	\$250,000	\$0	\$0	\$0	\$250,000
*Security Camera Additions and Replacements	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$400,000
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$1,381,000	\$955,000	\$2,104,000	\$1,330,000	\$1,189,000	\$6,959,000

GEN OBLIGATION BOND (GOB)						
City Hall Fuel Tank Replacement	\$0	\$0	\$400,000	\$0	\$0	\$400,000
Denbigh Community Center - Phase II	\$0	\$825,000	\$8,053,000	\$0	\$0	\$8,878,000
Emergency Generators	\$79,000	\$334,000	\$84,000	\$355,000	\$89,000	\$941,000
Fire Station No. 11	\$0	\$0	\$300,000	\$3,500,000	\$0	\$3,800,000
Major Renovations and Repairs	\$1,600,000	\$900,000	\$1,400,000	\$2,000,000	\$3,000,000	\$8,900,000
Virgil I. Grissom Library New Building	\$0	\$800,000	\$6,000,000	\$5,200,000	\$0	\$12,000,000
*Jail Annex Master Control System (MCS)	\$0	\$345,000	\$0	\$0	\$0	\$345,000
*Rouse Tower Building Renovation	\$90,000	\$141,660	\$100,000	\$100,000	\$100,000	\$531,660
*South Morrison Family Education Center Renovation	\$17,850	\$361,410	\$0	\$0	\$0	\$379,260
TOTAL GEN OBLIGATION BOND (GOB):	\$1,786,850	\$3,707,070	\$16,337,000	\$11,155,000	\$3,189,000	\$36,174,920

PUBLIC BUILDINGS TOTAL:	\$3,167,850	\$4,662,070	\$18,441,000	\$12,485,000	\$4,378,000	\$43,133,920
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SCHOOLS

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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** New Project*

CASH CAPITAL - OPERATING BUDGET						
Bus Replacement	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,100,000	\$10,100,000
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,100,000	\$10,100,000

GEN OBLIGATION BOND (GOB)						
Deer Park ES roof replacement	\$0	\$0	\$0	\$294,700	\$0	\$294,700
Design Fees - Huntington MS	\$0	\$0	\$2,800,000	\$0	\$0	\$2,800,000
Facility Renovation and Improvement	\$1,376,997	\$1,376,997	\$1,376,997	\$1,376,997	\$1,376,997	\$6,884,985
HVAC Replacement - BC Charles Elementary	\$0	\$0	\$0	\$440,000	\$0	\$440,000
HVAC Replacement - Crittenden MS partial	\$0	\$0	\$0	\$99,000	\$0	\$99,000
HVAC Replacement - Deer Park Elementary	\$0	\$0	\$2,200,000	\$0	\$0	\$2,200,000
HVAC Replacement - Heritage HS	\$5,500,000	\$0	\$0	\$0	\$0	\$5,500,000
HVAC Replacement - Kiln Creek Elementary	\$0	\$0	\$0	\$2,860,000	\$0	\$2,860,000
HVAC Replacement - McIntosh ES partial	\$0	\$0	\$198,000	\$0	\$0	\$198,000
HVAC Replacement - Nelson ES partial	\$550,000	\$0	\$0	\$0	\$0	\$550,000
HVAC Replacement - Sanford partial	\$0	\$0	\$550,000	\$0	\$0	\$550,000
HVAC Replacement - Saunders ES partial	\$0	\$0	\$0	\$1,210,000	\$0	\$1,210,000
HVAC Replacement - Woodside High School	\$0	\$5,500,000	\$0	\$0	\$0	\$5,500,000
McIntosh partial roof replacement	\$0	\$0	\$0	\$968,750	\$0	\$968,750
Mobile Classrooms Replacement - Menchville HS	\$0	\$250,000	\$0	\$0	\$0	\$250,000
Newsome Park ES partial roof replacement	\$0	\$551,000	\$0	\$0	\$0	\$551,000
Telecommunications roof replacement	\$120,888	\$0	\$0	\$0	\$0	\$120,888
Warwick HS Senior Center roof replacement	\$475,200	\$0	\$0	\$0	\$0	\$475,200
*ADA Required Upgrades - Gatewood PEEP	\$0	\$0	\$347,261	\$0	\$0	\$347,261
*Electrical Component Replacement - Huntington MS	\$0	\$0	\$65,802	\$0	\$0	\$65,802
*Electrical Component Replacement - Warwick HS	\$0	\$65,000	\$0	\$0	\$0	\$65,000
*Electrical Component Replacement - Watkins ECC	\$0	\$0	\$0	\$22,000	\$0	\$22,000
*Electrical Service Replacement - Achievable Dream M&HS	\$0	\$30,000	\$0	\$0	\$0	\$30,000
*Electrical Service Replacement - Denbigh ECC	\$0	\$0	\$0	\$15,000	\$0	\$15,000
*Electrical Service Replacement - Denbigh HS	\$0	\$20,000	\$0	\$0	\$0	\$20,000
*Electrical Service Replacement - Dozier MS	\$0	\$0	\$70,000	\$0	\$0	\$70,000
*Electrical Service Replacement - Drivers' Education Tower	\$0	\$0	\$0	\$0	\$20,000	\$20,000
*Electrical Service Replacement - Gatewood PEEP	\$0	\$0	\$0	\$20,000	\$0	\$20,000
*Electrical Service Replacement - Menchville HS	\$0	\$30,000	\$0	\$0	\$0	\$30,000
*HVAC Replacement - Jenkins ES	\$0	\$0	\$0	\$0	\$2,860,000	\$2,860,000
*HVAC Replacement - Richneck ES	\$0	\$0	\$0	\$0	\$2,860,000	\$2,860,000
*Mobile Classroom Replacement - Dozier	\$0	\$250,000	\$0	\$0	\$0	\$250,000
*Site Repairs - Achievable Dream Academy	\$0	\$49,302	\$0	\$0	\$0	\$49,302
*Site Repairs - Administration Building	\$0	\$0	\$0	\$66,792	\$0	\$66,792
*Site Repairs - Charles ES	\$0	\$58,165	\$0	\$0	\$0	\$58,165
*Site Repairs - Deer Park ES	\$0	\$52,998	\$0	\$0	\$0	\$52,998
*Site Repairs - Dutrow ES	\$0	\$32,246	\$0	\$0	\$0	\$32,246
*Site Repairs - General Stanford ES	\$0	\$189,585	\$0	\$0	\$0	\$189,585
*Site Repairs - Greenwood ES	\$0	\$47,825	\$0	\$0	\$0	\$47,825
*Site Repairs - Hidenwood ES	\$0	\$20,570	\$0	\$0	\$0	\$20,570
*Site Repairs - Hilton ES	\$0	\$53,186	\$0	\$0	\$0	\$53,186
*Site Repairs - Jenkins ES	\$0	\$108,520	\$0	\$0	\$0	\$108,520
*Site Repairs - Todd Stadium	\$0	\$0	\$0	\$376,794	\$0	\$376,794

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
<i>* New Project</i>						
*Site Repairs - Washington MS	\$0	\$0	\$20,086	\$0	\$0	\$20,086
TOTAL GEN OBLIGATION BOND (GOB):	\$8,023,085	\$8,685,394	\$7,628,146	\$7,750,033	\$7,116,997	\$39,203,655
SCHOOLS TOTAL:	\$10,023,085	\$10,685,394	\$9,628,146	\$9,750,033	\$9,216,997	\$49,303,655

STREETS AND BRIDGES

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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* New Project

CASH CAPITAL - OPERATING BUDGET						
Arterial Street Reconstruction and Resurfacing	\$1,500,000	\$1,500,000	\$2,000,000	\$2,000,000	\$2,000,000	\$9,000,000
Canon Boulevard Intersection Improvements	\$0	\$0	\$0	\$100,000	\$0	\$100,000
Citywide Concrete Replacement Project	\$500,000	\$550,000	\$550,000	\$550,000	\$550,000	\$2,700,000
VDOT Project Support	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
*Citywide Infrastructure - City Center LED Street Light Conversion Project	\$175,000	\$0	\$0	\$0	\$0	\$175,000
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$2,200,000	\$2,075,000	\$2,575,000	\$2,675,000	\$2,575,000	\$12,100,000

GEN OBLIGATION BOND (GOB)						
Annual Utilities Undergrounding Program	\$0	\$500,000	\$0	\$500,000	\$0	\$1,000,000
Arterial Street Reconstruction and Resurfacing	\$500,000	\$500,000	\$0	\$0	\$0	\$1,000,000
Bright Lights, Safe Nights Street Lighting Program	\$206,000	\$212,000	\$273,000	\$281,000	\$349,000	\$1,321,000
Campbell Road Improvements	\$1,000,000	\$2,750,000	\$0	\$0	\$0	\$3,750,000
Lower Jefferson Avenue Streetscape (Improvements from 12th Street to 24th Street)	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000
Neighborhood Enhancement Program	\$300,000	\$307,000	\$317,000	\$326,000	\$336,000	\$1,586,000
One Accessible City – Pedestrian, Bicycle & Road Safety Enhancement Program	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
Route 105 Bridge Replacement Over the Newport News Reservoir	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000
Traffic Signal Installation and Upgrade Program	\$325,020	\$337,110	\$349,560	\$362,400	\$377,335	\$1,751,425
Transportation Major Project Match	\$4,775,000	\$1,125,000	\$2,125,000	\$4,462,500	\$3,687,500	\$16,175,000
*Bridge and Culvert Repairs	\$515,000	\$530,000	\$596,000	\$613,000	\$630,000	\$2,884,000
*Washington Avenue Streetscape Improvements	\$100,000	\$100,000	\$0	\$0	\$0	\$200,000
TOTAL GEN OBLIGATION BOND (GOB):	\$10,221,020	\$9,361,110	\$4,160,560	\$7,044,900	\$5,879,835	\$36,667,425

GRANT FUNDING						
Atkinson Boulevard: Warwick Boulevard to Jefferson Avenue	\$11,043,448	\$6,851,569	\$0	\$0	\$0	\$17,895,017
Campbell Road Improvements	\$1,000,000	\$2,750,000	\$0	\$0	\$0	\$3,750,000
Citywide Pedestrian Improvements at Traffic Signals	\$250,000	\$250,000	\$500,000	\$0	\$0	\$1,000,000
Independence Boulevard	\$0	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$7,500,000
Intelligent Transportation System Upgrades	\$60,000	\$0	\$0	\$0	\$0	\$60,000
Lower Jefferson Avenue Streetscape (Improvements from 12th Street to 24th Street)	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000
One Accessible City – Pedestrian, Bicycle & Road Safety Enhancement Program	\$40,000	\$632,500	\$0	\$0	\$0	\$672,500
Route 105 Bridge Replacement Over the Newport News Reservoir	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000
Traffic Signal Installation and Upgrade Program	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$1,125,000
Traffic Signal Timing Improvements	\$160,000	\$440,000	\$0	\$500,000	\$0	\$1,100,000
Transportation Major Project Match	\$4,775,000	\$1,125,000	\$2,125,000	\$4,462,500	\$3,687,500	\$16,175,000
*Briarfield Sidewalk CMAQ - Marshall Avenue to Chestnut Avenue	\$0	\$0	\$0	\$0	\$600,000	\$600,000
*Jefferson Avenue & Yorktown Road Improvements (I-64)	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000
*Jefferson Avenue Wide Sidewalk Project Phase 2	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
*Jefferson Avenue Wide Sidewalk Project Phase 3	\$0	\$0	\$0	\$0	\$900,000	\$900,000
*Road Weather Information System (RWIS)	\$250,000	\$0	\$0	\$0	\$0	\$250,000
*Smart Cities Initiative - Transportation System Improvements	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
*Warwick Boulevard Sidewalk Widening CMAQ - Lucas Creek Road to Atkinson Way	\$0	\$0	\$0	\$0	\$500,000	\$500,000
*Washington Avenue Streetscape Improvements	\$400,000	\$400,000	\$0	\$0	\$0	\$800,000
TOTAL GRANT FUNDING:	\$23,653,448	\$17,924,069	\$5,600,000	\$7,937,500	\$6,162,500	\$61,277,517

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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* New Project

OTHER						
Independence Boulevard	\$0	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$7,500,000
TOTAL OTHER:	\$0	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$7,500,000
STREETS AND BRIDGES TOTAL:	\$36,074,468	\$31,860,179	\$14,835,560	\$20,157,400	\$14,617,335	\$117,544,942

SEWER REHABILITATIONS

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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* New Project

GEN OBLIGATION BOND (GOB)						
Sanitary Sewer Maintenance, Operation and Management (MOM) Program	\$2,781,000	\$477,000	\$820,000	\$822,000	\$696,000	\$5,596,000
Sanitary Sewer Rehabilitation Program	\$2,369,000	\$4,827,000	\$4,644,000	\$4,806,000	\$5,101,000	\$21,747,000
TOTAL GEN OBLIGATION BOND (GOB):	\$5,150,000	\$5,304,000	\$5,464,000	\$5,628,000	\$5,797,000	\$27,343,000
SEWER REHABILITATIONS TOTAL:	\$5,150,000	\$5,304,000	\$5,464,000	\$5,628,000	\$5,797,000	\$27,343,000

STORMWATER DRAINAGE

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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* New Project

CASH CAPITAL - OPERATING BUDGET						
32nd Street Drainage Improvements	\$129,000	\$292,000	\$437,000	\$450,000	\$0	\$1,308,000
Citywide Drainage	\$515,000	\$530,000	\$545,000	\$560,000	\$580,000	\$2,730,000
Citywide Pipe Lining Projects	\$415,000	\$425,000	\$435,000	\$450,000	\$465,000	\$2,190,000
Citywide Swale Projects	\$224,000	\$231,000	\$238,000	\$245,000	\$256,000	\$1,194,000
Groome Road / Woods Road Drainage Improvements	\$0	\$0	\$0	\$0	\$450,000	\$450,000
Hopkins Street Drainage Improvements	\$0	\$154,000	\$0	\$0	\$0	\$154,000
Huxley Place Drainage Improvements	\$515,000	\$530,000	\$546,000	\$0	\$0	\$1,591,000
Lake Maintenance and Dredging	\$257,500	\$265,000	\$273,000	\$281,000	\$290,000	\$1,366,500
Lower Jefferson Avenue and Ivy Avenue Drainage Improvements	\$902,000	\$0	\$0	\$0	\$0	\$902,000
Lynchburg Drive Stream Restoration (TMDL)	\$0	\$186,000	\$0	\$0	\$0	\$186,000
Municipal Separate Storm Sewer System (MS4) Static Water Quality Monitoring Stations	\$155,000	\$212,000	\$55,000	\$56,000	\$58,000	\$536,000
Newmarket Area Drainage Improvements	\$0	\$0	\$0	\$500,000	\$0	\$500,000
Nicewood Drainage Improvements	\$0	\$0	\$0	\$0	\$113,000	\$113,000
Owens Drainage Improvements	\$0	\$0	\$0	\$0	\$169,000	\$169,000
Stream Restoration Projects (TMDL)	\$273,000	\$281,000	\$290,000	\$298,000	\$307,000	\$1,449,000
*Beech Lake Estate - Section 6B Drainage Improvements	\$0	\$0	\$0	\$0	\$169,000	\$169,000
*James River Shoreline Stabilization at Hilton Elementary School (TMDL)	\$0	\$132,500	\$0	\$956,000	\$0	\$1,088,500
*Keith Road Channel Improvements & Stream Restoration (TMDL)	\$103,000	\$0	\$0	\$0	\$0	\$103,000
*Main Street and Tyler Avenue Storm Sewer Repair	\$0	\$0	\$0	\$0	\$169,000	\$169,000
*Nicewood Park Stream Restoration (TMDL)	\$0	\$0	\$0	\$0	\$70,000	\$70,000
*Princess Margaret Court Channel Stabilization	\$51,500	\$0	\$235,000	\$0	\$0	\$286,500
*Seafood Industrial Park Stormwater Outfall Trash Gate	\$0	\$0	\$0	\$0	\$77,250	\$77,250
*Stormwater Retrofit at Public Works Operations Center	\$51,500	\$371,000	\$0	\$0	\$0	\$422,500
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$3,591,500	\$3,609,500	\$3,054,000	\$3,796,000	\$3,173,250	\$17,224,250

GEN OBLIGATION BOND (GOB)						
9300 to 9502 River Road Shoreline Stabilization	\$0	\$707,000	\$0	\$0	\$0	\$707,000
Bayberry Subdivision Drainage Improvements - Phase 2	\$0	\$0	\$477,000	\$0	\$0	\$477,000
Christopher Shores Drainage	\$1,000,000	\$3,000,000	\$0	\$0	\$0	\$4,000,000
City Center Boulevard Channel Improvements	\$115,000	\$0	\$750,000	\$0	\$0	\$865,000
Country Club Road Drainage Improvements	\$618,000	\$0	\$0	\$0	\$0	\$618,000
Green Oaks Drainage Improvements	\$0	\$0	\$220,000	\$1,800,000	\$0	\$2,020,000
Hilton Area (Brandon Heights) Drainage Improvements	\$0	\$0	\$1,273,000	\$0	\$0	\$1,273,000
Hopkins Street Drainage Improvements	\$0	\$0	\$0	\$1,858,000	\$0	\$1,858,000
Hosier Street Drainage Improvements	\$0	\$53,000	\$432,000	\$0	\$0	\$485,000
J. Clyde Morris Boulevard Drainage Improvements (TMDL)	\$0	\$1,357,600	\$0	\$0	\$0	\$1,357,600
James River Shoreline Restoration at Museum Drive (TMDL)	\$0	\$0	\$0	\$500,000	\$0	\$500,000
Newmarket Area Drainage Improvements	\$0	\$0	\$500,000	\$0	\$2,318,000	\$2,818,000
Outfall Replacement River Road/Central Parkway	\$325,000	\$0	\$0	\$0	\$0	\$325,000
Salters Creek Stream Restoration (TMDL)	\$1,100,880	\$0	\$0	\$0	\$0	\$1,100,880
Sluice Mill Pond Dredging	\$878,000	\$0	\$0	\$0	\$0	\$878,000
Stormwater Pump Station #41 Renovations	\$129,000	\$0	\$1,366,000	\$0	\$0	\$1,495,000
Thalia and Saddler Drives Stream Restoration (TMDL)	\$555,000	\$0	\$0	\$0	\$0	\$555,000
Upper Newmarket Creek Drainage Improvements	\$0	\$0	\$150,000	\$0	\$845,000	\$995,000
Warwick Boulevard at Rivermont Drainage Improvements	\$2,000,000	\$2,245,000	\$0	\$0	\$0	\$4,245,000

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
<i>* New Project</i>						
*Christine Circle Channel Stabilization	\$412,000	\$0	\$0	\$0	\$0	\$412,000
*Salters Creek Channel Improvements and Tidal Wetlands (TMDL)	\$0	\$0	\$0	\$0	\$164,000	\$164,000
TOTAL GEN OBLIGATION BOND (GOB):	\$7,132,880	\$7,362,600	\$5,168,000	\$4,158,000	\$3,327,000	\$27,148,480
GRANT FUNDING						
9300 to 9502 River Road Shoreline Stabilization	\$100,000	\$1,313,000	\$0	\$0	\$0	\$1,413,000
J. Clyde Morris Boulevard Drainage Improvements (TMDL)	\$0	\$339,390	\$0	\$0	\$0	\$339,390
James River Shoreline Restoration at Museum Drive (TMDL)	\$0	\$0	\$0	\$500,000	\$0	\$500,000
Lynchburg Drive Stream Restoration (TMDL)	\$0	\$186,000	\$0	\$0	\$0	\$186,000
Salters Creek Stream Restoration (TMDL)	\$1,100,880	\$0	\$0	\$0	\$0	\$1,100,880
Thalia and Saddler Drives Stream Restoration (TMDL)	\$555,000	\$0	\$0	\$0	\$0	\$555,000
*James River Shoreline Stabilization at Hilton Elementary School (TMDL)	\$0	\$132,500	\$0	\$956,000	\$0	\$1,088,500
*Keith Road Channel Improvements & Stream Restoration (TMDL)	\$103,000	\$0	\$0	\$0	\$0	\$103,000
*Nicewood Park Stream Restoration (TMDL)	\$0	\$0	\$0	\$0	\$70,000	\$70,000
*Salters Creek Channel Improvements and Tidal Wetlands (TMDL)	\$0	\$0	\$0	\$0	\$164,000	\$164,000
*Stormwater Retrofit at Public Works Operations Center	\$51,500	\$371,000	\$0	\$0	\$0	\$422,500
TOTAL GRANT FUNDING:	\$1,910,380	\$2,341,890	\$0	\$1,456,000	\$234,000	\$5,942,270
OTHER						
James River Shoreline Restoration at Museum Drive (TMDL)	\$0	\$0	\$0	\$1,251,000	\$0	\$1,251,000
TOTAL OTHER:	\$0	\$0	\$0	\$1,251,000	\$0	\$1,251,000
STORMWATER DRAINAGE TOTAL:	\$12,634,760	\$13,313,990	\$8,222,000	\$10,661,000	\$6,734,250	\$51,566,000

WATERWORKS

Recommended

Project Name	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5 Year Total
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* New Project

CASH CAPITAL - OPERATING BUDGET						
Cathodic Inspection/Rehab Pipelines	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$400,000
Chickahominy Site Improvements	\$0	\$0	\$1,400,000	\$0	\$0	\$1,400,000
DSI - Transmission Main Valves Installations	\$250,000	\$0	\$0	\$0	\$0	\$250,000
DSI - Various Distribution System Improvements	\$1,500,000	\$1,500,000	\$3,000,000	\$3,000,000	\$3,000,000	\$12,000,000
Effective Utility Management & Paperless Implementation	\$500,000	\$500,000	\$0	\$0	\$0	\$1,000,000
IT Infrastructure Upgrade	\$450,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,250,000
Little Creek Pump Station Improvements	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000
Plant Asset Renewal	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
PLC-5 Upgrade	\$300,000	\$300,000	\$600,000	\$600,000	\$0	\$1,800,000
Rolling Stock and Other Equipment	\$1,800,000	\$1,800,000	\$1,800,000	\$1,800,000	\$1,800,000	\$9,000,000
Source Water Pipeline Inspection/Rehabilitation	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
Supervisory Control & Data Acquisition (SCADA) System Security Upgrade	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Treated Water Tank Maintenance	\$50,000	\$850,000	\$50,000	\$50,000	\$50,000	\$1,050,000
Water Treatment Plant Facility Engineering and Improvements	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000
*DEQ Permit Requirement	\$150,000	\$0	\$0	\$0	\$0	\$150,000
*Harwood's Mill Clarifier Basins Rehab	\$1,250,000	\$0	\$0	\$0	\$0	\$1,250,000
*Lee Hall HSP3 VFD Replacement	\$160,000	\$0	\$0	\$0	\$0	\$160,000
*Lee Hall Pilot Plant Automated Filter Skid	\$200,000	\$0	\$0	\$0	\$0	\$200,000
*Mobile Workforce	\$500,000	\$0	\$0	\$0	\$0	\$500,000
*Reservoir Circulation Enhancements	\$0	\$400,000	\$0	\$0	\$0	\$400,000
*Reverse Osmosis Plant Repairs	\$0	\$0	\$0	\$500,000	\$0	\$500,000
TOTAL CASH CAPITAL - OPERATING BUDGET:	\$8,340,000	\$7,280,000	\$7,780,000	\$6,880,000	\$5,780,000	\$36,060,000

REVENUE BONDS						
60th Street Elevated Tank/Site Improvements	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000
Asset Reclamation Projects	\$3,350,000	\$0	\$0	\$0	\$0	\$3,350,000
DSI - Interstate 64 / Jefferson Avenue Pipeline Installation	\$300,000	\$600,000	\$0	\$0	\$0	\$900,000
Harwood's Mill Dam Improvements	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000
Harwood's Mill Filter Media Replacement	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000
Lightfoot Elevated Tank	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000
Meter Equipment - AMR/AMI	\$30,000,000	\$0	\$0	\$0	\$0	\$30,000,000
York County Transmission Main	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000
*Lee Hall Filter Media Replacement	\$250,000	\$1,000,000	\$0	\$0	\$0	\$1,250,000
*Mercury/LaSalle PS Upgrade	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000
TOTAL REVENUE BONDS:	\$38,500,000	\$7,600,000	\$0	\$0	\$0	\$46,100,000

WATERWORKS TOTAL:	\$46,840,000	\$14,880,000	\$7,780,000	\$6,880,000	\$5,780,000	\$82,160,000
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